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Signed: \_\_\_\_\_

Karen A. Hallock

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No. : 10/068,796  
Applicant : JING-JONG PAN et al.  
Filed : February 6, 2002  
TC/A.U. : 2872  
Examiner : ARNEL C. LAVARIAS

Confirmation No.: 8424

**RECEIVED****FEB 25 2004**

Docket No. : LWAVP017  
Customer No. : 26541  
Title : MINIATURE CIRCULATOR DEVICES AND  
METHODS FOR MAKING THE SAME

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT A**

Sir:

In response to the Office Action of October 15, 2003, please amend the above-identified application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 11 of this paper.

**Amendments to the Drawings** begin on page 22 of this paper and include two attached replacement sheet(s) holding Figs. 1D and 7A.

**Remarks/Arguments** begin on page 23 of this paper.

An **Appendix** including amended drawing figures is attached following page 24 of this paper.